GOVERNMENT OF INDIA
EARTH SCIENCES
LOK SABHA

UNSTARRED QUESTION NO:145
ANSWERED ON:26.02.2008
SUBMERSIBLE CAPSULE
Badiga Shri Ramakrishna

Will the Minister of EARTH SCIENCES be pleased to state:

(a) whether the National Institute of Ocean Technology (NIOT) is planning to build submersible capsules to unravel the mysteries of the ocean;

(b) if so, the details of the project thereof; and

(c) the details of the benefits to be received therefrom?

Answer

MINISTER OF SCIENCE & TECHNOLOGY AND MINISTER OF EARTH SCIENCES(SHRI KAPIL SIBAL)

(a) Yes, Sir.

(b) and (c) The National Institute of Ocean Technology (NIOT), Chennai, an autonomous institute under Ministry of Earth Sciences (MoES) has designed and developed a Remotely Operated unmanned Submersible which is 2.53 m long,1.80 m wide with height of 1.70 m. This can carry a payload of 150 kg. The complete hardware and software for the instrumentation and control system was developed by Indian Scientists. An integrated navigation system comprising Hydro Acoustic navigation System (HANS), Inertial Navigation System and Doppler Velocity Log has also been developed. This would benefit researchers in carrying out various research works like sampling, seabed photography, inspection of underwater vehicles, pipelines, etc.